

**WHAT IS CLAIMED IS:**

1           1. An endoscopic apparatus for harvesting a desired blood vessel  
2 comprising:

3                 an endoscopic barrel including at least two lumens, one of said  
4 lumens dimensioned for receiving an endoscope;  
5                 a handle disposed at a proximal end of the endoscopic barrel;  
6                 a cone portion disposed over a distal end of said endoscopic  
7 barrel; and

8                 at least one manipulator fork extendable from said cone  
9 portion for dissecting the desired blood vessel.

1           2. The endoscopic apparatus of claim 1, wherein said cone  
2 portion includes at least one recess for receiving said at least one  
3 manipulator fork in a retracted position such that a contoured profile of said  
4 portion is maintained.

1           3. The endoscopic apparatus of claim 2, wherein said endoscopic  
2 barrel includes at least three lumens and said apparatus further comprises a  
3 cutting device extendable from said cone portion for cauterizing and ligating  
4 the desired blood vessel.

1           4. The endoscopic apparatus of claim 3, wherein said cone  
2 portion further includes a recess for receiving said cutting device in a  
3 retracted position such that a contoured profile of said portion is maintained.

1           5. The endoscopic apparatus of claim 1, wherein said at least  
2 one manipulator fork includes a control assembly permitting rotational and  
3 translational movement of said at least one manipulator fork.

1           6.     The endoscopic apparatus of claim 5, wherein said at least  
2     one manipulator fork comprises a form arm and a distal fork.

1           7.     The endoscopic apparatus of claim 6, wherein said control  
2     assembly comprises a rotatable control mechanism slidable within a  
3     predefined track on said handle.

1           9.     The endoscopic apparatus of claim 6, wherein said control  
2     assembly further permits swivelling of said distal fork relative to said fork  
3     arm.

1           10.    The endoscopic apparatus of claim 9, wherein said at least  
2     one manipulator fork further comprises fork swivel control tube disposed  
3     over said form arm.

1           11.    The endoscopic apparatus of claim 10, wherein said control  
2     assembly further includes a swivel control ring disposed on said handle.

1           12.    The endoscopic apparatus of claim 1, wherein said endoscopic  
2     barrel includes at least three lumens and said at least one manipulator fork  
3     comprises two manipulator forks.